

A computer implemented method, system, and software that tracks inventories of a time period sensitive item on a time period basis. A demand for the time period sensitive item for each time period in a time interval is generated. A production plan for producing a source item that produces the time period sensitive item for each time period in the time interval is generated. The source item generates the time period sensitive item over various time periods in the time interval. The time period sensitive items are reserved for the established demand on a time period basis. The time period sensitive items include vegetative cuttings and plug seedlings.